

Earth's Choice

BIODEGRADABLE BINDER

Biodegradable Frequently Asked Questions

1 What is biodegradation?

Biodegradation is nature's way of recycling waste. It is the natural breakdown of organic material by micro-organisms such as bacteria, fungi and algae in an aerobic (with oxygen) or anaerobic (without oxygen) environment.

3 What are the benefits of a microbial or bioreactor landfill?

One benefit of bioreactor landfills is the additional capacity and extended life of the landfill. Bioreactor landfills can utilize the same area up to 30 years longer than traditional dry tomb landfills.

2 What are the different types of landfills?

The first type is called a dry tomb landfill. Dry tomb landfills have been used for hundreds of years and are simply as large hole in the ground where garbage is collected and compacted as tightly as possible and sealed off to prevent exposure to oxygen and moisture. The material buried in a dry tomb landfill can last for hundreds or thousands of years but will be kept out of sight.

The second type is referred to as a microbial or bioreactor landfill. This new advancement in landfills also collects and compact garbage to keep out oxygen and reduce space. However, microbial landfills add and circulate moisture to your garbage to promote anaerobic biodegradation and greatly speed up the biodegradation process.

The largest benefit of a bioreactor/microbial landfill is inexpensive clean energy it supplies. The byproduct of anaerobic biodegradation is methane which can in turn be used for heating or electricity generation.

4 What makes this polypropylene cover biodegradable?

Most plastics are designed for high strength and to keep out oxygen which is why traditional plastics take hundreds of years of breakdown. However, this biodegradable polypropylene uses an environmentally safe and organic additive that attracts and enables microbial activity to breakdown the material for food and energy.

5 When does the biodegradable process begin?

This product is completely reusable and has an unlimited shelf life. It will not start to biodegrade until placed in a landfill environment.

